



REC 15-402

Knollwood Energy of MA LLC  
P.O. Box 30  
Chester, New Jersey 07930

NHPUC 21SEP15PM3:48

September 17, 2015

Debra A. Howland  
Executive Director  
New Hampshire Public Utilities Commission  
21 South Fruit Street, Suite 10  
Concord, NH 03301-2429

Dear Ms Howland,

Enclosed please find the application for the Perron system to be part of the Knollwood Energy of MA LLC (NH-II-13-089) Class II Photovoltaic aggregation for New Hampshire Renewable Energy Certificates (RECs) generated from customer-sited sources, pursuant to New Hampshire Code of Administrative Rules Puc 2506.

Customer and Facility Information

Ralph and Christine Perron  
61 Drake Road  
New Hampton, NH 03256  
christineperron@myfairpoint.net  
603-744-2033

The new Nepool GIS ID # for this facility is: NON 52778. Also enclosed are the Simplified Process Interconnection Application and Service Agreement, Certificate of Completion and NH Owner Statements. An electronic version has been sent to [executive.director@puc.nh.gov](mailto:executive.director@puc.nh.gov).

Please do not hesitate to contact me if you have any questions regarding this application.

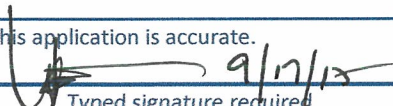
Thank you for your consideration,

Linda Modica  
New England REC Operations Manager  
**Knollwood Energy of MA LLC**  
973.879.7826  
[linda@knollwoodenergy.com](mailto:linda@knollwoodenergy.com)

Enclosures (3)



<b>New Hampshire Public Utilities Commission</b>		<b>This section for PUC use only:</b>			
		<b>REC#</b>			
<b>Draft Class I or II REC Eligibility Application For Solar Customer-Sited Sources 100 Kilowatts Or Less</b>					
1.	Class I <input type="checkbox"/>	Class II <input checked="" type="checkbox"/>	<b>GIS Facility Code</b>	<b>NON 52778</b>	2. This facility is part of an aggregation.
			<i>GIS contact info is provided below</i>		yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
3. If yes to #2., the facility is part of the Knollwood Energy of MA LLC aggregation.					
<i>To qualify as a REC eligible facility, PUC 2505.02 (b) requires the source to provide the following information:</i>					
<b>Contact Information</b>					
	<b>Name</b>		<b>Address</b>		<b>City</b>
<b>Facility Owner</b>	Ralph and Christine Perron		61 Drake Road		New Hampton
<b>Phone 1</b>	603-744-2033	<b>Phone 2</b>		<b>Email</b>	christineperron@myfairpoint.net
<b>Facility Location</b>	<i>(If facility is named)</i>		<i>(if different than owner address)</i>		
<b>Mailing Address</b>	<i>(if different than owner address and/or facility location)</i>				
Application filed by:					
<b>Business Name</b>	Knollwood Energy of MA LLC		PO Box 30		Chester
<b>Contact</b>	Linda Modica				
<b>Phone 1</b>	908-879-7826	<b>Phone 2</b>		<b>Email</b>	linda@knollwoodenergy.com
<b>Facility Operator</b>	<i>(complete only if a separate operator manages the facility)</i>				
<b>Phone 1</b>		<b>Phone 2</b>		<b>Email</b>	
<b>Installer Company</b>	PAREI		79 Highland Street		Plymouth
<b>Installer Contact</b>	Sandra Jones				
<b>Phone 1</b>	604 536 5030	<b>Phone 2</b>		<b>Email</b>	sandra@plymouthenergy.org
<b>Electrician</b>	Larry Mauchly Mauchly Electric		7 Smith Street		Plymouth
<b>Phone 1</b>		<b>License #</b>	NH10931M	<b>Email</b>	mauchlyelectric@gmail.com
<b>Equipment Vendor</b>	<i>(if not provided through the installer)</i>				
<b>Phone 1</b>		<b>Phone 2</b>		<b>Email</b>	
<b>Independent Monitor (IM) Name</b>		Paul Button			<i>To obtain a GIS Facility Code contact James Webb, Registry Administrator 408.517.2174, jwebb@apx.com</i>
<b>IM Company Name</b>		EAU-NH			
<b>Equipment Information</b>					
	<b>Manufacturer</b>	<b>Quantity</b>	<b>Model # (if available)</b>	<b>Rated Output/unit</b>	<b>Total Rated Capacity</b>
<b>Panels</b>	Solar World	29	280w	0.280	8.1 (DC)
<b>Inverter(s)</b>	Enphase	29	M250	0.250	7.3 (AC)
<b>Meter</b>	Schlumberger	Hialeah CL200 240V 3W	<b>Utility Project ID #</b> N3467	<b>Initial date of operation</b>	<i>(mm/dd/year)</i> 6/17/15
<b>To be completed by the owner. Aggregators may include the owner sign-off via email or letter.</b>					
<input checked="" type="checkbox"/>	I agree The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate.				
The project described in this application will meet the metering requirements of Puc 2506 including:					
<input checked="" type="checkbox"/>	I agree Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the IM, or a designated representative.				
<input checked="" type="checkbox"/>	I agree A revenue quality meter is used to measure the electricity generated.				
<input checked="" type="checkbox"/>	I agree The facility owner has certified to the IM that the meter operates according to manufacturing standards.				
<input checked="" type="checkbox"/>	I agree The meter shall be maintained according to the manufacturer's recommendations.				

<input type="checkbox"/>	
I agree	The project is installed and operating in conformance with applicable building codes.
<input type="checkbox"/>	
included	A copy of the facility's interconnection agreement is attached.
X	
The Undersigned declares under penalty of perjury that the information provided on this application is accurate.	
<div style="text-align: right;">/  9/17/12 /</div> <div style="text-align: right;">Typed signature required</div>	
Contact Barbara Bernstein at <a href="mailto:Barbara.bernstein@puc.nh.gov">Barbara.bernstein@puc.nh.gov</a> or 603-271-6011 with questions and comments.	



## New Hampshire PUC REC Certification Application Owner Statements

The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate to the best of my knowledge and I authorize Knollwood Energy to act on my behalf in filing said application.

The project described in this application will meet the metering requirements of PUC 2506 including:

  
cp

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor, or a designated representative.

  
cp

A revenue quality meter is used to measure the electricity generated.

  
cp

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

  
cp

The meter shall be maintained according to the manufacturer's recommendations.

  
cp


The project is installed and operating in conformance with applicable building codes.

  
cp

A copy of the facility's interconnection agreement is attached.

Christine Perron

\_\_\_\_\_  
Printed Name of signature owner

  
Christine Perron (Sep 10, 2015)

\_\_\_\_\_  
Signature of system owner

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
INTERCONNECTION STANDARDS FOR INVERTERS  
SIZED UP TO 100 KVA  
Simplified Process Interconnection Application and Service Agreement

PSNH Application Project ID# N 3467

**Contact Information:**

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)

Customer or Company Name (print) RALPH AND CHRISTINE PENNON

Contact Person, if Company

Mailing Address 61 DRAKE RD.

City NEW HAMPTON State NH

Zip Code 03256

Telephone (Daytime): 603-744-2033 (Evening):

Facsimile Number: E-Mail Address: christinapennon@myfairpoint.net

**Alternative Contact Information** (e.g., System installation contractor or coordinating company, if appropriate):

Name

Mailing Address

City State Zip Code:

Telephone (Daytime): (Evening):

Facsimile Number: E-Mail Address:

**Electrical Contractor Contact Information** (if appropriate)

Name: LARRY MAUCHLY - MAUCHLY ELECTRIC

Mailing Address: 65 SMITH ST.

City PLYMOUTH State NH

Zip Code 03264

Telephone (Daytime): 603-254-4600 (Evening): 603-336-4109

Facsimile Number: E-Mail Address: mauchlyelectric@gmail.com

**Facility Site Information:**

Facility (Site) Address: 61 DRAKE RD. ✓

City: NEW HAMPTON State: NH

Zip Code 03256

Electric

Service Company PSNH

Account Number: 56409556065 ✓

Meter Number: 1126845149146744 ✓

Account and Meter Number: Please consult an actual PSNH electric bill and enter the correct Account Number and Meter Number on this application. If the facility is to be installed in a new location, please provide the PSNH Work Request number.

PSNH Work Request #

**Non-Default Service Customers Only:**

Competitive Electric

Energy Supply Company: Account Number:

(Customer's with a Competitive Energy Supply Company should verify the Terms & Conditions of their contract with their Energy Supply Company.)

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
INTERCONNECTION STANDARDS FOR INVERTERS  
SIZED UP TO 100 KVA

Simplified Process Interconnection Application and Service Agreement

**Facility Machine Information:**

Generator/ Inverter Manufacturer: Enphase ✓ Model Name & Number M250 ✓ Quantity 29 ✓  
Nameplate Rating: 7.25 (kW) 7.25 (kVA) 240VAC (Volts) Phase: Single ☒ Three ☐  
Nameplate Rating: The AC Nameplate rating of the individual inverter.  
System Design Capacity 8.12 (kW) \_\_\_\_\_ (kVA) Battery Backup: Yes ☐ No ☒  
System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the sum of the AC nameplate ratings of all inverters.  
Net Metering: If Renewably Fueled, will the account be Net Metered? Yes ☒ No ☐  
Prime Mover: Photovoltaic ☒ Reciprocating Engine ☐ Fuel Cell ☐ Turbine ☐ Other \_\_\_\_\_  
Energy Source: Solar ☒ Wind ☐ Hydro ☐ Diesel ☐ Natural Gas ☐ Fuel Oil ☐ Other \_\_\_\_\_

7.25 kW  
max AC

**Inverter-based Generating Facilities:**

UL 1741 / IEEE 1547.1 Compliant (Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)  
Yes ☒ No ☐

✓ The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use With Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.

**External Manual Disconnect Switch:**

An External Manual Disconnect Switch shall be installed in accordance with 'Part Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'

✓ Yes ☒ No ☐

Location of External Manual Disconnect Switch: Next to Meter - West side of House.

Project Estimated Install Date June, 2015 Project Estimated In-Service Date June 18, 2015

**Interconnecting Customer Signature:**

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the Terms and Conditions for Simplified Process Interconnections attached hereto:

Customer Signature [Signature] Title Home Owner Date: 5/26/2015

Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection point in relation to the customer service panel and the PSNH meter socket. Applications without such a diagram may be returned.

**For PSNH Use Only**

**Approval to Install Facility:**

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required

Are system modifications required? Yes ☐ No ☒ To be Determined ☐

Company Signature: [Signature] Title: SR. ENGINEER Date: 5/26/15

Eversource  
Interconnection Standards For Inverters Sized Up To 100 kVA  
**Exhibit B - Certificate of Completion for Simplified Process Interconnections**

RECEIVED  
JUN 12 2015  
SESD

**Installation Information:**

☐ Check if owner-installed

Customer or Company Name (print): Ralph and Christine Perron  
Contact Person, if Company: \_\_\_\_\_  
Mailing Address: 61 Drake Road  
City: New Hampton State: NH Zip Code: 03256  
Telephone (Daytime): 603-744-2033 (Evening): same  
Facsimile Number: \_\_\_\_\_ E-Mail Address: christineperron@myfairpoint.net

**Facility Information:** →

Eversource Meter # INF68451491166744

Address of Facility (if different from above): \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**Electrical Contractor Contact Information:**

Electrical Contractor's Name (if appropriate): Larry Mauchly - Mauchly Electric  
Mailing Address: 6 Smith St  
City: Plymouth State: NH Zip Code: 03264  
Telephone (Daytime): 603-254-4600 (Evening): 603-536-4109  
Facsimile Number: \_\_\_\_\_ E-Mail Address: mauchlyelectric@gmail.com  
License number: NH #10931M  
Date of approval to install Facility granted by the Company: 5/15/15  
Eversource Application ID number: IN3467

**Inspection:**

The system has been installed and inspected in compliance with the local Building/Electrical Code of:

City: New Hampton County: Belknap  
Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection):  
Signature: [Signature] <sup>NONE</sup> NH License # 10931M  
Name (printed): John L. Mauchly Date: \_\_\_\_\_

**Customer Certification:**

I hereby certify that, to the best of my knowledge, all information contained in this Exhibit B - Certification of Completion is true and correct. This system has been installed and shall be operated in compliance with applicable standards. Also, the initial start-up test required by Puc. 905.04 has been successfully completed.

Please remember to provide digital photos of the installation, including the AC disconnect switch (if required), the existing Eversource meter, the inverters, and the point of electrical interconnection.

Customer Signature: [Signature]

As a condition of interconnection you are required to send/fax a copy of this form to:

Eversource  
Distributed Generation  
780 North Commercial Street  
P. O. Box 330, Manchester, NH 03105-0330  
Fax No.: (603) 634-2924